

JONES, TULLAR & COOPER, P.C.

GEORGE M. COOPER
DOUGLAS R. HANSCOM
WILLIAM A. BLAKE
J. ANDREW MCKINNEY, JR.*
JENNIFER P. YANCY

ATTORNEYS AT LAW
A PROFESSIONAL CORPORATION
2001 JEFFERSON DAVIS HWY
SUITE 1002
ARLINGTON, VA 22202
TELEPHONE: (703) 415-1500
FACSIMILE: (703) 415-1508
www.jonestullarcooper.com

FIRM E-MAIL:
mail@jonestullarcooper.com

WEBSITE:
www.jonestullarcooper.com

* ADMITTED IN MD, NOT
ADMITTED IN VA.

Douglas R. Hanscom

dhanscom@jonestullarcooper.com
DIRECT DIAL: (703) 413-2547

 FACSIMILE COVER SHEET

To: (Name) Ex STEFAN KREUER
(Company) VSP TO
(Fax Number) 571-273-5913

From: Douglas R. Hanscom

Date: OCT 16, 2009

Number of Pages: 8

Subject: 10/588,712

Message: PROPOSID AMENDIN CLAIMS FOR YOUR
REVIEW PRIOR TO OUR DISCUSSION ON 10/19 @ 1 PM



This facsimile transmission is intended only for the named recipient(s) above and may contain information that is privileged, attorney work product or exempt from disclosure under applicable law. If you have received this message in error or are not a named recipient, please immediately notify the sender at 410-528-1167 or 703-415-1500, discard this copy and/or delete this message from your computer. Thank you.

PROPOSED AMENDED CLAIMS

ATTORNEY DOCKET NO.: W1.2278 PCT-US

U.S. PATENT APPLICATION NO. 10/588,712

Claims 1-26 (Cancelled)

27. (Currently Amended) A method for threading a material web in a web processing machine including:

providing a web receiving area in said web processing machine;

providing a web delivery area in said web processing machine;

providing a web threading path extending between said web receiving area and said web delivery area;

providing a web threading means adapted for receiving said material web;

using said web threading means and threading a leading end of said material web from said web receiving area to said web delivery area during a web threading operation;

providing a first web threading means drive motor at said web receiving area and having a first motor strength;

providing a second web threading means drive motor at said web delivery area and having a second motor strength;

providing said second motor strength greater than said first motor strength;

regulating said first web threading means drive motor in said web

receiving area at a regulated predetermined motor torque during said web threading operation;

regulating said second web threading means drive motor at said web delivery area at a predetermined web threading speed during said web threading operation; and

maintaining a constant tension in said material web during said web threading operation by regulating said web threading speed of said second motor and by regulating said motor torque of said first drive motor[.]; and

using said second web threading means drive motor and pulling said web threading means from said web receiving area to said web delivery area against said regulated motor torque of said first web threading means drive motor.

28. (Cancelled)

29. (Previously Presented) The method of claim 27 further including providing a frequency converter and using said frequency converter for regulating one of said first and second motors.

30. (Previously Presented) The method of claim 27 further including providing first and second reel bodies about which said threading means is alternately wound and unwound and using each of said first and second motors for driving respective ones of said first and second reel bodies.

31. (Previously Presented) The method of claim 30 further including regulating at least one of said first and second motors depending on a current diameter of at least one of said first and second reel bodies.
32. (Previously Presented) The method of claim 31 further including providing a control device and using said control device for determining a target value of a frequency load to said at least one of said first and second motors depending on said reel body current diameter.
33. (Previously Presented) The method of claim 31 further including determining said current reel body diameter depending on a number of layers of said threading means wound on said reel body and a thickness of said threading means and further depending on an initial diameter of said reel body.
34. (Previously Presented) The method of claim 33 further including providing a rotation sensor on one of said reel body and its drive, calculating a number of rotations of said reel body and using said number of rotations for determining said number of layers of said threading means wound on said reel body.
35. (Previously Presented) The method of claim 34 further including determining said number of rotations of said reel body in said receiving area.
36. (Previously Presented) The method of claim 34 further including determining said

number of rotations of said reel body in said delivery area.

37-38 (Cancelled)

39. (Currently Amended) The method of claim 27 further including providing a rotary drive for at least one mechanically independent assembly of said web processing machine and correlating control ~~controlling one of one of~~ said first and second motors and said drive assembly motor ~~correlated with each other~~ with respect to speed.

40. (Previously Presented) The method of claim 27 further including a material web reel changer in said web processing machine having a reel changer drive and controlling one of said first and second motors and said reel changer drive correlated with each other with respect to their speed by using a machine control.

41. (Previously Presented) The method of claim 27 further including providing said web processing machine as a printing unit having a printing unit drive and further including controlling said second motor and said printing unit drive correlated with each other with respect to speed by using a machine control.

42. (Currently Amended) The method of claim 27 further including providing a control device including a servo control and using said servo control for driving said first motor at said regulated ~~predetermined~~ motor torque.

43. (Currently Amended) A device for threading a web of material into a web processing machine comprising:

a web threading device adapted to receive a web to be threaded;

a web threading path along which said web threading device is adapted to travel, said web threading path extending between a web receiving area and a web delivery area;

a first web threading device drive motor in said web receiving area and having a first motor strength and a second web threading device drive motor in said delivery area and having a second motor strength greater than said first motor strength;

means for regulating ~~one of said first motor and second motors~~ with respect to torque during said threading of a web of material along said web threading path speed;

means for regulating ~~the other of said first and second motor motors~~ with respect to speed during said threading of a web of material along said web threading path torque;

at least one mechanically independent assembly in said web processing machine and operating at an assembly speed;

a machine control device in said web processing machine and being usable to provide correlated speed relevant input signals to said ~~one of said first and second motor motors~~ and to said at least one mechanically independent assembly to synchronize said speed speeds of said ~~first and second motor motors~~ and said assembly speed of said at least one mechanically independent assembly; and

an electronic guide axis for said machine control and being usable to

provide said speed relevant input signals for said speed control of said first and second motor motors and for said assembly speed of said at least one mechanically independent assembly.

44. (Currently Amended) The device of claim 43 further including a control device usable to produce a frequency signal based on a predetermined threading speed, and a signal connection between said ~~one of said first and second motor motors~~ and said control device.

45. (Previously Presented) The device of claim 44 wherein said machine control is adapted to provide said control device with a target value for said predetermined threading speed.

46-48 (Cancelled)

49. (Previously Presented) The device of claim 43 further including a first reel body in said receiving area and a second reel body in said delivery area, each of said first and second motors being adapted to drive a respective one of said first and second reel bodies.

50. (Previously Presented) The device of claim 49 further including a rotation sensor on one of said first and second reel bodies.

51. (Previously Presented) The device of claim 44 wherein said control device includes a calculating means usable to provide a frequency signal for said motor based on a predetermined threading speed and a number of rotations.

52. (Currently Amended) The device of claim 43 further including a control device usable to regulate said ~~other of said first~~ motor ~~and second motors~~ with respect to said torque.